

CLAIMS

1. A noncontact information medium comprising:

a coil formed by a conductor;

a capacitor that forms, together with the coil, a
5 resonance circuit; and

a control circuit that controls information
transmitted and received to and from a reader-writer,
wherein

the coil has at least a part of the conductor cut off.

10

2. The noncontact information medium according to claim 1,
wherein

the coil has an inductance for making a resonance
frequency of the resonance circuit higher than a frequency
15 of an electromagnetic wave transmitted from the reader-
writer when the noncontact information medium is arranged
solely.

3. The noncontact information medium according to claim 1,
20 wherein

the coil generates an inductance for making a
resonance frequency of the resonance circuit equal to a
frequency of an electromagnetic wave transmitted from the
reader-writer when a plurality of the noncontact
25 information media are arranged to be close to the reader-
writer.

4. The noncontact information medium according to claim 1,
further comprising:

30 an auxiliary coil substantially equal in inductance to
the coil, wherein

the coil generates an inductance for making a
resonance frequency of the resonance circuit equal to a

frequency of an electromagnetic wave transmitted from the reader-writer when a plurality of the auxiliary coils are arranged to be close to the reader-writer.

- 5 5. A communication system that holds a radio communication using electromagnetic induction, the communication system comprising:

 a plurality of noncontact information media each including:

- 10 a coil formed by a conductor at least a part of which is cut off;

 a capacitor that forms, together with the coil, a resonance circuit; and

- a control circuit that controls information
15 transmitted and received through the resonance circuit; and

 a reader-writer that supplies an energy to the noncontact information media, that transmits data to the noncontact information media, and that receives the data transmitted from the noncontact information media.

20

6. A communication system that holds a radio communication using electromagnetic induction, the communication system comprising:

 a noncontact information medium including:

- 25 a coil formed by a conductor at least a part of which is cut off;

 a capacitor that forms, together with the coil, a resonance circuit; and

- a control circuit that controls information
30 transmitted and received through the resonance circuit;

 an auxiliary coil substantially equal in inductance to the coil of the noncontact information medium; and

 a reader-writer that supplies an energy to the

noncontact information medium, that transmits data to the noncontact information medium, and that receives the data transmitted from the noncontact information medium.